

1-11. (CANCELED)

12. (NEW) A method for controlling functions of a work vehicle (1) comprising a drive motor (2), a driving clutch (3), a service brake (13, 14) that acts upon motor wheels (11, 12), a working device (21) and a hydraulic pump (15) that supplies actuators on the driving clutch (3), the service brake (13, 14) and the working device (21) with pressure medium via hydraulic pressure conduits, the driving clutch (3) is automatically opened and the service brake (13, 14) is automatically closed when a load acting upon the working device (21) of the motor vehicle exceeds a predetermined load threshold or is activated so as to exceed.

13. (NEW) The method according to claim 12, wherein the driving clutch (3) is opened and the service brake (13, 14) is closed when one or more of a pressure, force and filling state height sensor (35) on the working device (21) signals a control device (22) that hydraulic pressure available in propulsion operation for the working device (21) no longer suffices to master a load at hand.

14. (NEW) The method according to claim 12, wherein the driving clutch (3) is opened and the service brake (13, 14) is activated when a speed of travel is one of zero or approximately zero.

15. (NEW) The method according to claim 14, wherein the speed of travel of the motor vehicle is signaled to the control device (22) via sensors (33, 34) on one or more of the drive or output shafts (6, 7) of the motor vehicle wheels (8, 9) and on the transmission input shaft.

16. (NEW) The method according to claim 12, wherein a parking brake of the motor vehicle is activated instead of or in addition to the service brake (13, 14).

17. (NEW) The method according to claim 12, wherein one of during or after opening the driving clutch (3), a control device (22) transmits a signal for changing power preferably to one of a motor control device (23) or directly to an output regulating device of the drive motor (2).

18. (NEW) The method according to claim 17, wherein the signal to the motor control device (23) triggers a reduction in power output of the motor (2).

19. (NEW) The method according to claim 12, wherein the driving clutch is closed again and one or more of the service brake (13, 14) and a parking brake is opened upon ending a working operation of the working device (21).

20. (NEW) The method according to claim 19, wherein one of during closing or after closing the driving clutch (3) and opening one or more of the service brake (13, 14) and the parking brake, the control device (22) issues a signal to change a power output of the drive motor (2), preferably to a motor control device (23).

21. (NEW) A device for controlling functions of a work motor vehicle (1) with a drive motor (2), a driving clutch (3), a service brake (13, 14) that acts on motor vehicle wheels (11, 12), a working device (21) and with a hydraulic pump (15), which supplies actuators on the driving clutch (3), on the service brake (13, 14) and on the working device (21) with pressure medium through hydraulic pressure conduits, the driving clutch (3) is automatically opened and the service brake (13, 14) is automatically closed when a load acting upon the working device (21) of the motor vehicle one of exceeds a preset load threshold or is activated so as to exceed.

22. (NEW) The device according to claim 21, wherein a control device (22) is connected by a control conduit (24) via one of a motor control device (23) or directly to a power regulation device of the drive motor (2).